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East 4/27/04

L Number	Hits	Search Text	DB	Time stamp
-	0	KERSTETTER.in. and aLLEN.in. and APTICAR.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 06:36
-	39126	KERSTETTER.in. or aLLEN.in. or APTICAR.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 06:36
-	12441	airspring or air adj spring or pneumatic adj spring	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/27 12:08
-	52	(KERSTETTER.in. or aLLEN.in. or APTICAR.in.) and (airspring or air adj spring or pneumatic adj spring)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 06:36
-	75	(airspring or air adj spring or pneumatic adj spring) same (airsleeve or air adj sleeve)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 07:50
-	2	("4931508" "6279633").PN.	USPAT; US-PGPUB	2004/02/20 06:39
-	1	(US-4931508-\$).did.	USPAT	2004/02/20 06:40
-	0	((US-4931508-\$).did.) and (airspring or air adj spring or pneumatic adj spring)	USPAT	2004/02/20 06:40
-	0	((US-4931508-\$).did.) and spring	USPAT	2004/02/20 06:40
-	4	("3,043,582") or ("5,954,316") or ("2,999,681") or ("3,084,952").PN.	USPAT; US-PGPUB	2004/02/20 06:42
-	386	(airspring or air adj spring or pneumatic adj spring) same (airsleeve or air adj sleeve or membrane or roll\$4 adj lobe)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 07:50
-	386	(airspring or air adj spring or pneumatic adj spring) same (airsleeve or air adj sleeve or membrane or roll\$4 adj lobe)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 07:57
-	597358	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:01
-	35617	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same (rubber or elastom\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 07:52
-	8	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same (rubber or elastom\$5) same layer near4 reinforc\$5 same liner	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 07:54
-	10	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same colorable	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 07:57
-	10520	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same color	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 07:57
-	0	(rubber or elastomer\$4) and natural adj rubber and EPDM and silica and organosilane adj polysulfide.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:03
-	0	((rubber or elastomer\$4) and natural adj rubber and EPDM and silica and organosilane adj polysulfide) and ((airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:05

-	18	(rubber or elastomer\$4) and natural adj rubber and EPDM and silica and organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:08
-	0	elastomeric adj liner same reinforcing adj layer same cover same "parts by weight" same natural adj rubber same polybutadiene same (ethylene adj propylene adj diene adj terpolymer or EPDM)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:12
-	0	elastomeric adj liner same reinforcing adj layer same cover same natural adj rubber same polybutadiene same (ethylene adj propylene adj diene adj terpolymer or EPDM)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:12
-	0	elastomeric adj liner same reinforcing adj layer same natural adj rubber same polybutadiene same (ethylene adj propylene adj diene adj terpolymer or EPDM)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:12
-	2226	natural adj rubber same polybutadiene same (ethylene adj propylene adj diene adj terpolymer or EPDM)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:13
-	136	(natural adj rubber same polybutadiene same (ethylene adj propylene adj diene adj terpolymer or EPDM)) and ((airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:13
-	758	silica same polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:15
-	3	(silica same polysulfide) and ((natural adj rubber same polybutadiene same (ethylene adj propylene adj diene adj terpolymer or EPDM)) and ((airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:16

-	1	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same (elastomer\$6 or natural adj rubber) same (epdm or ethylene near4 propylene) same silica and polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:38
-	2	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same (elastomer\$6 or natural adj rubber) same (epdm or ethylene near4 propylene) and 267/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:39
-	0	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same (elastomer\$6 or natural adj rubber) same (ethylene near4 propylene) and 267/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:39
-	340	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same (elastomer\$6 or natural adj rubber) same (ethylene near4 propylene)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:40
-	3	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same (elastomer\$6 or natural adj rubber) same (ethylene near4 propylene) same silica	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:58
-	0	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) and 6279633.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:42
-	0	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) and 4931508.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:42
-	2	4931508.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:42
-	0	(airsleeve.clm. or air adj sleeve.clm. or membrane.clm. or roll\$4 adj lobe.clm. or diaphragm.clm.) same (elastomer\$6 or natural adj rubber) same (ethylene near4 propylene) same silica	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 08:59
-	251	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm) same (rubber or elastom\$5) same layer near4 reinforc\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:00
-	0	reinforc\$4 same (layer or liner) same parts same weight same (rubber or elastomer\$4) same natural adj rubber same olybutadienet same (ethylene same propylene same diene same terpolymer or EPDM) same silica same organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:01
-	82	(rubber or elastomer\$4) and natural adj rubber and EPDMand silica and organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:01
-	18	(rubber or elastomer\$4) and natural adj rubber and EPDM and silica and organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:01
-	597358	(airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:01
-	0	((rubber or elastomer\$4) and natural adj rubber and EPDM and silica and organosilane adj polysulfide) and ((airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:02
-	0	reinforc\$4 same (layer or liner) same parts same weight same (rubber or elastomer\$4) same natural adj rubber same olybutadienet same (ethylene same propylene same diene same terpolymer or EPDM) same silica same organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:03

-	1	reinforc\$4 and (layer or liner) and weight and (rubber or elastomer\$4) and natural adj rubber and polybutadiene and (ethylene same propylene same diene same terpolymer or EPDM) and silica and organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:03
-	82	reinforc\$4 and (layer or liner) and weight and (rubber or elastomer\$4) and natural adj rubber and EPDMand silica and organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:03
-	82	(rubber or elastomer\$4) and natural adj rubber and EPDMand silica and organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:03
-	18	(rubber or elastomer\$4) and natural adj rubber and EPDM and silica and organosilane adj polysulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:04
-	0	((rubber or elastomer\$4) and natural adj rubber and EPDM and silica and organosilane adj polysulfide) and ((airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:04
-	1	(reinforc\$4 and (layer or liner) and weight and (rubber or elastomer\$4) and natural adj rubber and EPDMand silica and organosilane adj polysulfide) and ((airsleeve or air adj sleeve or membrane or roll\$4 adj lobe or diaphragm))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/20 09:04
-	1	("6279633").PN.	USPAT; US-PGPUB	2004/02/20 09:58

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-	5536	airspring or air adj spring or pneumatic adj spring	USPAT	2004/04/27 12:09
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Search History 4/27/04 12:56:30 PM Page 18		C:\APPS\least\workspaces\6117927.wsp		

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Search History 4/27/04 12:56:30 PM Page 19 C:\APPS\least\workspaces\10623729.wsp				

PLUS 4/27/04

Butler, Douglas

From: PLUS
Sent: Thursday, April 22, 2004 9:56 AM
To: Butler, Douglas
Subject: PLUS Results for 10624729

Here are the PLUS search results for 10624729.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



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10624729_LIST.txt



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10624729_EAST.txt



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10624729_CLS.txt



10624729_CLSTITLES.txt



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10624729_LIST

PLUS Search Results for S/N 10624729, Searched April 22, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10624729_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10624729 on April 22, 2004

Original Classifications

14 524/492
8 524/262
4 152/209.1
4 524/494
4 525/191
3 152/450
3 524/265
3 524/495
3 524/506
3 524/518
3 525/332.6
3 525/342
3 525/99
3 526/174
3 526/335
2 502/154
2 523/213
2 524/424
2 524/493
2 525/187
2 525/236
2 525/349
2 526/283

Cross-Reference Classifications

30 524/493
18 152/905
17 524/492
17 524/495
14 524/496
11 524/262
9 524/261
8 525/237
8 525/332.6
7 152/450
7 524/571
7 525/236
6 152/564
6 524/265
6 524/494
6 525/232
6 526/340
5 152/209.1
5 524/264
5 525/221
5 525/240
5 525/241
5 525/333.1
5 525/343
5 526/180
5 526/181
4 152/209.5
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Combined Classifications

32 524/493
 31 524/492
 20 524/495
 19 524/262
 18 152/905
 15 524/496
 11 525/332.6
 10 152/450
 10 524/261
 10 524/494
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Field of search
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5 525/240
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10624729_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10624729 on April 22, 2004

32 524/493 (2 OR, 30 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composi
ion
thereof
524/492 ...Mixing inorganic silicon-containing material
having color or numerical limitations other than amount,
e.g., included herein are m.p., chemical composition,
particle size, surface area, etc., or composition or
product thereof, DNRM
524/493Inorganic silicon-containing material
having specified dimensions

31 524/492 (14 OR, 17 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or compositi
on
thereof
524/492 ...Mixing inorganic silicon-containing material
having color or numerical limitations other than amount,
e.g., included herein are m.p., chemical composition,
particle size, surface area, etc., or composition or
product thereof, DNRM

20 524/495 (3 OR, 17 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or compositi
on
thereof
524/495 ...Mixing with carbon, e.g., graphite, etc.,
having numerical limitations, other than amount, e.g.,
included herein are particle size, surface area, etc., or
composition or product thereof, DNRM

19 524/262 (8 OR, 11 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product
composition thereof; or process of treating or compos
ition
thereof
524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon

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524/81Organic DNRM
 524/261Organic silicon compound having at least
 one oxygen atom DNRM
 524/262Atom other than Si, O, C, or H

18 152/905 (0 OR, 18 XR)
 Class 152 : RESILIENT TIRES AND WHEELS
 152/905 TREAD COMPOSITION

15 524/496 (1 OR, 14 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product,
 composition thereof; or process of treating or composi

ion

 thereof
 524/495 ...Mixing with carbon, e.g., graphite, etc.,
 having numerical limitations, other than amount, e.g.,
 included herein are particle size, surface area, etc., o

r

 composition or product thereof, DNRM
 524/496Carbon particle having specified dimension

11 525/332.6 (3 OR, 8 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING O
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WIT
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES O
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY

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OF THE

 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/326.1 ...Chemically after treated solid polymers
 derived from ethylenically unsaturated monomers only
 525/331.9Polymer derived from monomer containing at
 least two ethylenic groups or diene rubber
 525/332.5Vulcanized in the presence of a chemical
 treating agent, e.g., cured, crosslinked, etc.
 525/332.6Sulfur containing chemical treating agent

10 152/450 (3 OR, 7 XR)
 Class 152 : RESILIENT TIRES AND WHEELS
 152/209.26Having circumferential groove width at
 least per cent of tread width
 152/450 .Pneumatic tire or inner tube

10 524/261 (1 OR, 9 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or

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preformed specified intermediate condensation product,
composition thereof; or process of treating or composi

tion

- thereof
- 524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon
- 524/81Organic DNRM
- 524/261Organic silicon compound having at least
one oxygen atom DNRM

10 524/494 (4 OR, 6 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

- 524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composi

tion

- thereof
- 524/492 ...Mixing inorganic silicon-containing material
having color or numerical limitations other than amount
- e.g., included herein are m.p., chemical composition,
particle size, surface area, etc., or composition or
product thereof, DNRM
- 524/493Inorganic silicon-containing material
having specified dimensions
- 524/494Material contains glass

9 152/209.1 (4 OR, 5 XR)

Class 152 : RESILIENT TIRES AND WHEELS

152/151 TIRES, RESILIENT

152/208 .Anti-skid devices

152/209.1 ..Tread

9 524/265 (3 OR, 6 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

- 524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product
- composition thereof; or process of treating or compos

ition

- thereof
- 524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon
- 524/81Organic DNRM
- 524/261Organic silicon compound having at least
one oxygen atom DNRM
- 524/265Oxygen atom other than as Si-O-Si and at
least one Si-C or Si-H group

9 525/236 (2 OR, 7 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

- 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

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WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY

OF THE

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from
ethylenic reactants only
- 525/191 ...Polymer mixture of two or more solid
polymers derived from ethylenically unsaturated reactan
only; or mixtures of said polymer mixture with a chemic
treating agent; or products or processes of preparing a
of the above mixtures
- 525/232Solid polymer derived from reactant
containing at least two ethylenic groups and is devoid o
aryl ring
- 525/236At least two polymers derived from
reactants containing two or more ethylenic groups and
devoid of an aryl ring

9 525/237 (1 OR, 8 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

- 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICIP WITH SICIP OR SPFI; MIXING O
WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WIT
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES O
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY

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OF THE

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from
ethylenic reactants only
- 525/191 ...Polymer mixture of two or more solid
polymers derived from ethylenically unsaturated reacta
only; or mixtures of said polymer mixture with a chemi
cal
treating agent; or products or processes of preparing
of the above mixtures
- 525/232Solid polymer derived from reactant
containing at least two ethylenic groups and is devoid
aryl ring
- 525/236At least two polymers derived from
reactants containing two or more ethylenic groups and
devoid of an aryl ring
- 525/237At least one of these polymers is derived
from two or more reactants

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any

of

8 524/571 (1 OR, 7 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART

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OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composi

tion

thereof

524/543 ...Polymer derived from ethylenic reactants
only

524/570From hydrocarbon monomer

524/571Conjugated diene hydrocarbon monomer

7 525/191 (4 OR, 3 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF S

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WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH A
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY OF

THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/191 ...Polymer mixture of two or more solid
polymers derived from ethylenically unsaturated reactants
only; or mixtures of said polymer mixture with a chemical
treating agent; or products or processes of preparing any
of the above mixtures

7 525/342 (3 OR, 4 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF S

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WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH A
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY OF

THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/342 ...Chemical treating agent contains a silicon
atom

6 152/564 (0 OR, 6 XR)

Class 152 : RESILIENT TIRES AND WHEELS

152/209.26Having circumferential groove width at
least per cent of tread width

152/450 .Pneumatic tire or inner tube

152/548 ..Characterized by the carcass, carcass
material, or physical arrangment of the carcass material

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152/564 ...Carcass characterized by the chemical
composition or physical properties of the elastomers or t

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6 523/213 (2 OR, 4 XR)
 Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 523/1 .PROCESSES OF PREPARING A DESIRED OR
 INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT
 MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED
 INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF
 523/200 ..Process of forming a composition of a solid
 polymer or solid polymer forming system by admixing a
 product in the form of a surface coated, impregnated,
 encapsulated, or surface modified fiber, sheet, particl
 e,
 sult
 or web, with a material; or composition which is the re
 of said admixing
 523/212 ...Product having a silicon atom as part of an
 organic compound
 523/213Silicon containing organic material having
 an atom other than Si, C, H, or oxygen

6 524/264 (1 OR, 5 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product
 composition thereof; or process of treating or compos
 ition
 thereof
 524/80 ...DNRM which is other than silicon dioxide,
 glass, titanium dioxide, water, halohydrocarbon,
 hydrocarbon, or elemental carbon
 524/81Organic DNRM
 524/261Organic silicon compound having at least
 one oxygen atom DNRM
 524/264Ethylenic group

6 525/232 (0 OR, 6 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
 SICP
 A
 F THE
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O
 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/191 ...Polymer mixture of two or more solid
 polymers derived from ethylenically unsaturated reactant
 s
 l
 y
 only; or mixtures of said polymer mixture with a chemica
 treating agent; or products or processes of preparing an

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525/232 of the above mixtures
....Solid polymer derived from reactant
containing at least two ethylenic groups and is devoid of
aryl ring

6 525/241 (1 OR, 5 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/191 ...Polymer mixture of two or more solid
polymers derived from ethylenically unsaturated reactant

s

only; or mixtures of said polymer mixture with a chemica

l

treating agent; or products or processes of preparing an

y

of the above mixtures

525/241Solid polymer derived from an aromatic
hydrocarbon reactant

6 525/333.1 (1 OR, 5 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY

OF THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/326.1 ...Chemically after treated solid polymers
derived from ethylenically unsaturated monomers only

525/331.9Polymer derived from monomer containing at
least two ethylenic groups or diene rubber

525/333.1Isoprene or diene rubber other than
butadiene rubber

6 526/174 (3 OR, 3 XR)

Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING

526/89 ..Polymerizing in the presence of a specified

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material other than monomer

526/173 ...Material contains elemental alkali metal,
hydride thereof, or alkali metal to carbon atom bond (Li

Na, K, Rb, Cs, Fr)

526/174Contains at least two diverse alkali metal
atoms, at least one of which is in the form of a free
alkali metal, or in the form of a hydride, or has an alka

li

metal to carbon atom bond

6 526/335 (3 OR, 3 XR)

Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING

526/335 ..From hydrocarbon monomer containing at least
two ethylenic groups, e.g., butadiene, etc.

6 526/340 (0 OR, 6 XR)

Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING

526/335 ..From hydrocarbon monomer containing at least
two ethylenic groups, e.g., butadiene, etc.

526/340 ...Interpolymerized with aromatic hydrocarbon

5 525/221 (0 OR, 5 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/191 ...Polymer mixture of two or more solid
polymers derived from ethylenically unsaturated reactant

s

only; or mixtures of said polymer mixture with a chemica

l

treating agent; or products or processes of preparing an

y

of the above mixtures

525/221Solid polymer derived from reactant
containing a carboxylic acid group

5 525/240 (0 OR, 5 XR)

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Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
SICP
A
F THE
ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/191 ...Polymer mixture of two or more solid
polymers derived from ethylenically unsaturated reactant
s
l
y
only; or mixtures of said polymer mixture with a chemica
treating agent; or products or processes of preparing an
of the above mixtures

525/240Solid polymer derived from ethylene or
propylene

5 525/343 (0 OR, 5 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF S
ICP
THE
ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/343 ...Chemical treating agent contains a sulfur
atom

5 525/349 (2 OR, 3 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
SICP
A
OF THE
ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/343 ...Chemical treating agent contains a sulfur
atom

525/348Sulfur-containing heterocyclic compound

525/349Heterocyclic ring contains sulfur and
nitrogen atoms

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5 525/351 (1 OR, 4 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
 SICP
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
 A
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O
 F THE
 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/343 ...Chemical treating agent contains a sulfur
 atom
 525/351Organic compound contains sulfur and
 nitrogen atoms

5 526/180 (0 OR, 5 XR)
 Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
 PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
 CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
 PROCESSES OF PREPARING
 526/89 ..Polymerizing in the presence of a specified
 material other than monomer
 526/173 ...Material contains elemental alkali metal,
 hydride thereof, or alkali metal to carbon atom bond (Li
 Na, K, Rb, Cs, Fr)
 526/180Contains compound of nitrogen

5 526/181 (0 OR, 5 XR)
 Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
 PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
 CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
 PROCESSES OF PREPARING
 526/89 ..Polymerizing in the presence of a specified
 material other than monomer
 526/173 ...Material contains elemental alkali metal,
 hydride thereof, or alkali metal to carbon atom bond (Li
 Na, K, Rb, Cs, Fr)
 526/181Contains oxygen atom

4 152/209.5 (0 OR, 4 XR)
 Class 152 : RESILIENT TIRES AND WHEELS
 152/151 TIRES, RESILIENT
 152/208 .Anti-skid devices
 152/209.1 ..Tread
 152/209.5 ...Having tread sections (e.g., base-cap, etc.)
 containing different specified physio-chemical properties
 (e.g., hysteresis, modulus, hardness, etc.) or compositio

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4 523/216 (1 OR, 3 XR)
 Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 523/1 .PROCESSES OF PREPARING A DESIRED OR
 INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT
 MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED
 INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF
 523/200 ..Process of forming a composition of a solid
 polymer or solid polymer forming system by admixing a
 product in the form of a surface coated, impregnated,
 encapsulated, or surface modified fiber, sheet, particle
 or web, with a material; or composition which is the res
 ult of said admixing
 523/216 ...Product having a silicon atom

4 523/438 (1 OR, 3 XR)
 Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 523/1 .PROCESSES OF PREPARING A DESIRED OR
 INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT
 MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED
 INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF
 523/400 ..Process of forming a composition containing a
 nonreactive material (NRM) and a polymer containing mor
 e than one 1,2-epoxy group, or a preformed polymer derive
 d from or admixed with a reactant containing more than on
 e 1,2-epoxy group, or with a polymer derived from an
 epihalohydrin and a polyhydric phenol or polyol; or
 composition or product thereof
 523/437 ...Two or more polymers derived from ethylenic
 reactants only
 523/438Polymer derived from ethylenic reactants
 only derived from plural unsaturated reactant

4 524/266 (1 OR, 3 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation produc
 t, composition thereof; or process of treating or compo
 sition thereof
 524/80 ...DNRM which is other than silicon dioxide,
 glass, titanium dioxide, water, halohydrocarbon,
 hydrocarbon, or elemental carbon
 524/81Organic DNRM
 524/261Organic silicon compound having at least
 one oxygen atom DNRM
 524/265Oxygen atom other than as Si-O-Si and at
 least one Si-C or Si-H group
 524/266Silicon containing SICP or solid polymer

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- 4 524/267 (0 OR, 4 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product
 composition thereof; or process of treating or compos
 ition thereof
 524/80 ...DNRM which is other than silicon dioxide,
 glass, titanium dioxide, water, halohydrocarbon,
 hydrocarbon, or elemental carbon
 524/81Organic DNRM
 524/261Organic silicon compound having at least
 one oxygen atom DNRM
 524/267Two or more Si atoms and at least one
 Si-C or Si-H group
- 4 524/526 (1 OR, 3 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation produc
 t, composition thereof; or process of treating or compo
 sition thereof
 524/500 ...Containing two or more solid polymers; solid
 polymer or SICP and a SICP, SPFI, or an ethylenic rea
 ctant or product thereof
 524/502At least one solid polymer derived from
 ethylenic reactants only
 524/515Two or more solid polymers derived from
 ethylenic reactants only
 524/525Solid polymer derived from monomer
 containing two or more ethylenic groups
 524/526Two or more polymers derived from
 reactant containing two or more ethylenic groups
- 4 524/574 (0 OR, 4 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product
 composition thereof; or process of treating or compos
 ition thereof
 524/543 ...Polymer derived from ethylenic reactants
 only
 524/570From hydrocarbon monomer
 524/571Conjugated diene hydrocarbon monomer
 524/574Interpolymer with at least one aliphatic
 hydrocarbon monomer, e.g., butyl rubber, etc.
- 4 524/575 (0 OR, 4 XR)

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Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product

composition thereof; or process of treating or compos

thereof

524/543 ...Polymer derived from ethylenic reactants
only

524/570From hydrocarbon monomer

524/571Conjugated diene hydrocarbon monomer

524/575Interpolymer with at least one aromatic
hydrocarbon monomer

4 524/860 (0 OR, 4 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/858 ..Si-containing reactant forming a solid
polymer or SICP in the presence of a nonreactant materia

l

524/860 ...Poly (di organo siloxane) reactant, i.e.,
(R-Si(R)-O)-* where R is an organic radical and * is
subscript two or more

4 525/101 (0 OR, 4 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/100 ...With saturated Si-C or Si-H reactant or
polymer thereof; or with solid copolymer derived from at
least one Si-C or Si-H reactant wherein at least one of

the

reactants forming the solid copolymer is saturated; or w

ith

SPFI wherein at least one of the necessary ingredients
contains a Si-C or Si-H bond or with a reaction product
thereof; or with a SICP containing a Si-H or Si-C bond

525/101Contacting with nonsilicon-containing SICP,
nonsilicon-containing SPFI, or polymer thereof; or with t

wo

or more solid polymers

4 525/331.8 (1 OR, 3 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

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SICP

A

OF THE

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from ethylenic reactants only
- 525/326.1 ...Chemically after treated solid polymers derived from ethylenically unsaturated monomers only
- 525/331.7Ethylene-propylene terpolymer, e.g., EPT, EPDM, EPR, etc.
- 525/331.8Sulfur containing chemical treating agent

4 525/332.9 (0 OR, 4 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

A

OF THE

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from ethylenic reactants only
- 525/326.1 ...Chemically after treated solid polymers derived from ethylenically unsaturated monomers only
- 525/331.9Polymer derived from monomer containing at least two ethylenic groups or diene rubber
- 525/332.9Interpolymer with aromatic hydrocarbon

4 525/99 (3 OR, 1 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING O

F SICP

H A

F

OF THE

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WIT
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES O
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from ethylenic reactants only
- 525/88 ...Mixing of solid block or block-type copolymer with other solid polymer; mixing of said pol
mixture with a chemical treating agent; mixing of a bl
or block-type copolymer with SICP or with SPFI; or
processes of forming or reacting; or the resultant pro

ymmer

ock

duct

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of any of the above operations

525/95Mixture contains solid block or block-type
copolymer derived from ethylenically unsaturated
hydrocarbon reactants only at least one of which contain

ns

at least four carbon atoms

525/98Solid block or block-type copolymer
derived from reactant containing plural unsaturation

525/99With solid polymer derived from reactant
containing plural unsaturation

3 502/154 (2 OR, 1 XR)

Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING

502/100 CATALYST OR PRECURSOR THEREFOR

502/150 .Organic compound containing

502/152 ..Organic compound including carbon-metal bond

502/154 ...Including metal compound containing
different metal than that bonded to carbon

3 502/155 (0 OR, 3 XR)

Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING

502/100 CATALYST OR PRECURSOR THEREFOR

502/150 .Organic compound containing

502/152 ..Organic compound including carbon-metal bond

502/155 ...Including phosphorus or sulfur or compound
containing nitrogen or phosphorus or sulfur

3 502/156 (0 OR, 3 XR)

Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING

502/100 CATALYST OR PRECURSOR THEREFOR

502/150 .Organic compound containing

502/152 ..Organic compound including carbon-metal bond

502/156 ...Including alcohol, phenol, or ether

3 502/157 (0 OR, 3 XR)

Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING

502/100 CATALYST OR PRECURSOR THEREFOR

502/150 .Organic compound containing

502/152 ..Organic compound including carbon-metal bond

502/157 ...Alkali metal bonded to carbon

3 523/212 (0 OR, 3 XR)

Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

523/1 .PROCESSES OF PREPARING A DESIRED OR
INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT
MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED
INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF

523/200 ..Process of forming a composition of a solid
polymer or solid polymer forming system by admixing a
product in the form of a surface coated, impregnated,

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encapsulated, or surface modified fiber, sheet, particle
or web, with a material; or composition which is the res
ult
of said admixing
523/212 ...Product having a silicon atom as part of an
organic compound

3 524/269 (1 OR, 2 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation produc
t,
sition
composition thereof; or process of treating or compo
thereof
524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon
524/81Organic DNRM
524/261Organic silicon compound having at least
one oxygen atom DNRM
524/267Two or more Si atoms and at least one
Si-C or Si-H group
524/269Solid polymer derived from ethylenic
reactants only

3 524/305 (0 OR, 3 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation pro
duct,
mposition
composition thereof; or process of treating or co
thereof
524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon
524/81Organic DNRM
524/284Carboxylic acid or derivative and wherein
the derivative is other than a metal salt DNRM
524/300Two or more carbon atoms
524/302Sulfur, e.g., factice, etc.
524/303Only two carboxylic acid or ester
groups, e.g., distearyl thiodipropionate, etc.
524/304With a nonreactive material
524/305Nonreactive material contains atom
other than C, H, or O

3 524/318 (0 OR, 3 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation produ
ct,
osition
composition thereof; or process of treating or comp

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thereof

- 524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon
- 524/81Organic DNRM
- 524/284Carboxylic acid or derivative and wherein
the derivative is other than a metal salt DNRM
- 524/300Two or more carbon atoms
- 524/315Carboxylic acid ester
- 524/318Acyl group of the carboxylic acid has
at least fifteen carbon atoms, e.g., butyl stearate, etc.

3 524/392 (1 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

- 524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composi

tion

thereof

- 524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon
- 524/81Organic DNRM
- 524/392Organic chalcogen other than oxygen as
DNRM

3 524/424 (2 OR, 1 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

- 524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composi

tion

thereof

- 524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon
- 524/401Inorganic compound devoid of a silicon atom
DNRM
- 524/424Carbon atom DNRM

3 524/505 (1 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

- 524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composi

tion

thereof

- 524/500 ...Containing two or more solid polymers; solid
polymer or SICP and a SICP, SPFI, or an ethylenic react

ant

or product thereof

- 524/502At least one solid polymer derived from
ethylenic reactants only
- 524/505Solid block or solid block-type copolymer
with other solid polymer, SICP or SPFI

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- 3 524/506 (3 OR, 0 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product,
 composition thereof; or process of treating or composi
 tion
 thereof
 524/500 ...Containing two or more solid polymers; solid
 polymer or SICP and a SICP, SPFI, or an ethylenic react
 ant
 or product thereof
 524/502At least one solid polymer derived from
 ethylenic reactants only
 524/506With solid polymer derived from at least
 one Si-H or Si-C reactant wherein at least one of the
 reactants forming the solid polymer is saturated; or with
 SPFI or SICP derived from a Si-H or Si-C reactant wherein
 at least one of the necessary reactants is saturated
- 3 524/518 (3 OR, 0 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product
 composition thereof; or process of treating or compos
 ition
 thereof
 524/500 ...Containing two or more solid polymers; solid
 polymer or SICP and a SICP, SPFI, or an ethylenic reac
 tant
 or product thereof
 524/502At least one solid polymer derived from
 ethylenic reactants only
 524/515Two or more solid polymers derived from
 ethylenic reactants only
 524/518Solid polymer derived from fused or
 bridged ring monomer
- 3 524/84 (0 OR, 3 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product
 composition thereof; or process of treating or compos
 ition
 thereof
 524/80 ...DNRM which is other than silicon dioxide,
 glass, titanium dioxide, water, halohydrocarbon,
 hydrocarbon, or elemental carbon
 524/81Organic DNRM
 524/82Sulfur atom as part of a hetero ring DNRM
 524/84Five-membered sulfur ring
- 3 525/100 (0 OR, 3 XR)

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Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF S

ICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH A
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY OF

THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only
525/100 ...With saturated Si-C or Si-H reactant or
polymer thereof; or with solid copolymer derived from at
least one Si-C or Si-H reactant wherein at least one of t
reactants forming the solid copolymer is saturated; or wi
SPFI wherein at least one of the necessary ingredients
contains a Si-C or Si-H bond or with a reaction product
thereof; or with a SICP containing a Si-H or Si-C bond

he

th

3 525/102 (0 OR, 3 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

A

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only
525/100 ...With saturated Si-C or Si-H reactant or
polymer thereof; or with solid copolymer derived from at
least one Si-C or Si-H reactant wherein at least one of
reactants forming the solid copolymer is saturated; or w
SPFI wherein at least one of the necessary ingredients
contains a Si-C or Si-H bond or with a reaction product
thereof; or with a SICP containing a Si-H or Si-C bond
525/102Si-H or Si-C reactant contains an atom
other than C, H, O, or Si bonded to a carbon atom

the

ith

3 525/105 (0 OR, 3 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

A

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

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ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from ethylenic reactants only
 525/100 ...With saturated Si-C or Si-H reactant or polymer thereof; or with solid copolymer derived from at least one Si-C or Si-H reactant wherein at least one of reactants forming the solid copolymer is saturated; or w SPFI wherein at least one of the necessary ingredients contains a Si-C or Si-H bond or with a reaction product thereof; or with a SICP containing a Si-H or Si-C bond
 525/105Solid polymer from ethylenic reactants only is derived from plural unsaturated hydrocarbon

3 525/106 (0 OR, 3 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

SICP
A
F THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from ethylenic reactants only
 525/100 ...With saturated Si-C or Si-H reactant or polymer thereof; or with solid copolymer derived from at least one Si-C or Si-H reactant wherein at least one of reactants forming the solid copolymer is saturated; or w SPFI wherein at least one of the necessary ingredients contains a Si-C or Si-H bond or with a reaction product thereof; or with a SICP containing a Si-H or Si-C bond
 525/106Solid polymer from ethylenic reactants only is derived from unsaturated hydrocarbon

the
ith

3 525/212 (0 OR, 3 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

SICP
A
F THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from ethylenic reactants only
 525/191 ...Polymer mixture of two or more solid polymers derived from ethylenically unsaturated reactant only; or mixtures of said polymer mixture with a chemica

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treating agent; or products or processes of preparing an
of the above mixtures
525/212Solid polymer derived from
sulfur-containing reactant

3 525/332.8 (0 OR, 3 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
SICP
A
OF THE
WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
ABOVE OPERATIONS
525/55 ..At least one solid polymer derived from
ethylenic reactants only
525/326.1 ...Chemically after treated solid polymers
derived from ethylenically unsaturated monomers only
525/331.9Polymer derived from monomer containing at
least two ethylenic groups or diene rubber
525/332.8Interpolymer with aliphatic hydrocarbon
monomer (includes additional diene monomer)

3 525/333.2 (0 OR, 3 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
SICP
A
OF THE
WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
ABOVE OPERATIONS
525/55 ..At least one solid polymer derived from
ethylenic reactants only
525/326.1 ...Chemically after treated solid polymers
derived from ethylenically unsaturated monomers only
525/331.9Polymer derived from monomer containing at
least two ethylenic groups or diene rubber
525/333.2Butadiene homopolymer

3 526/220 (0 OR, 3 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
526/89 ..Polymerizing in the presence of a specified
material other than monomer
526/217 ...Material contains organic nitrogen compound

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- 526/220 Organic nitrogen compound contains at least
one S or O atom chemically bound therein
- 3 526/310 (0 OR, 3 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
526/310 ..From nitrogen containing monomer other than
acrylonitrile or methacrylonitrile
- 3 526/320 (0 OR, 3 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
526/319 ..From carboxylic acid ester monomer
526/320 ...Ether or hydroxy containing
- 3 526/339 (1 OR, 2 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
526/335 ..From hydrocarbon monomer containing at least
two ethylenic groups, e.g., butadiene, etc.
526/339 ...Interpolymerized with aliphatic hydrocarbon
- 3 526/347 (0 OR, 3 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
526/346 ..From aromatic hydrocarbon
526/347 ...Interpolymerized
- 2 106/490 (0 OR, 2 XR)
Class 106 : COMPOSITIONS: COATING OR PLASTIC
106/400 .Pigment, filler, or aggregate compositions,
e.g., stone, shale, pebbles, rock, etc.
106/401 ..Composition contains identified material
other than water
106/481 ...Silicon containing
106/482 Inorganic silicon compound, e.g.,
diatomaceous earth, soil, glass, sand, etc., or material
derived therefrom
106/490 Organic silicon material containing
- 2 106/491 (1 OR, 1 XR)
Class 106 : COMPOSITIONS: COATING OR PLASTIC

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106/400 .Pigment, filler, or aggregate compositions,
e.g., stone, shale, pebbles, rock, etc.
106/401 ..Composition contains identified material
other than water
106/481 ...Silicon containing
106/482Inorganic silicon compound, e.g.,
diatomaceous earth, soil, glass, sand, etc., or material
derived therefrom
106/491Organic material containing

2 152/151 (0 OR, 2 XR)
Class 152 : RESILIENT TIRES AND WHEELS
152/151 TIRES, RESILIENT

2 152/525 (0 OR, 2 XR)
Class 152 : RESILIENT TIRES AND WHEELS
152/209.26Having circumferential groove width at
least per cent of tread width
152/450 .Pneumatic tire or inner tube
152/525 ..Characterized by chemical composition or
physical properties of external sidewall materials

2 152/548 (0 OR, 2 XR)
Class 152 : RESILIENT TIRES AND WHEELS
152/209.26Having circumferential groove width at
least per cent of tread width
152/450 .Pneumatic tire or inner tube
152/548 ..Characterized by the carcass, carcass
material, or physical arrangement of the carcass materials

2 425/340 (0 OR, 2 XR)
Class 425 : PLASTIC ARTICLE OR EARTHENWARE SHAPING OR
TREATING: APPARATUS
425/340 PLURAL RESHAPING MEANS OR PLURAL VULCANIZING
MEANS INCLUDING CONFORMING PREFORM SUPPORT

2 425/363 (0 OR, 2 XR)
Class 425 : PLASTIC ARTICLE OR EARTHENWARE SHAPING OR
TREATING: APPARATUS
425/363 PRESS FORMING MEANS, PRESS RESHAPING MEANS, OR
VULCANIZING MEANS IS ENDLESS SURFACE TYPE

2 523/215 (0 OR, 2 XR)
Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
523/1 .PROCESSES OF PREPARING A DESIRED OR
INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT
MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED
INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF
523/200 ..Process of forming a composition of a solid
polymer or solid polymer forming system by admixing a
product in the form of a surface coated, impregnated,
encapsulated, or surface modified fiber, sheet, particle
or web, with a material; or composition which is the res
ult of said admixing
523/215 ...Product having elemental carbon

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2 524/111 (1 OR, 1 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product
 composition thereof; or process of treating or compos
 ition thereof
 524/80 ...DNRM which is other than silicon dioxide,
 glass, titanium dioxide, water, halohydrocarbon,
 hydrocarbon, or elemental carbon
 524/81Organic DNRM
 524/107At least one chalcogen atom as part of a
 hetero ring (chalcogen=O, Se, Te) DNRM
 524/111Five-membered chalcogen ring

2 524/146 (0 OR, 2 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product
 composition thereof; or process of treating or compos
 ition thereof
 524/80 ...DNRM which is other than silicon dioxide,
 glass, titanium dioxide, water, halohydrocarbon,
 hydrocarbon, or elemental carbon
 524/81Organic DNRM
 524/115Phosphorus organic compound DNRM
 524/146Phosphorus directly bonded to sulfur

2 524/155 (0 OR, 2 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product,
 composition thereof; or process of treating or composi
 tion thereof
 524/80 ...DNRM which is other than silicon dioxide,
 glass, titanium dioxide, water, halohydrocarbon,
 hydrocarbon, or elemental carbon
 524/81Organic DNRM
 524/155Organic compound having a sulfur bonded
 directly to oxygen DNRM

2 524/202 (1 OR, 1 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation produc
 t, composition thereof; or process of treating or compo
 sition thereof
 524/80 ...DNRM which is other than silicon dioxide,

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glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon

- 524/81Organic DNRM
- 524/186Organo nitrogen compound other than
unsubstituted ammonium salt as sole nitrogen atom DNRM
- 524/201N(C=X)X wherein X is a chalcogen, e.g.,
thiocarbamate, etc.
- 524/202Metal or ammonium group

2 524/263 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation produc

t,

sition

composition thereof; or process of treating or compo

thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon

- 524/81Organic DNRM
- 524/261Organic silicon compound having at least
one oxygen atom DNRM
- 524/262Atom other than Si, O, C, or H
- 524/263Halogen

2 524/304 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation prod

uct,

position

composition thereof; or process of treating or com

thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon

- 524/81Organic DNRM
- 524/284Carboxylic acid or derivative and wherein
the derivative is other than a metal salt DNRM
- 524/300Two or more carbon atoms
- 524/302Sulfur, e.g., factice, etc.
- 524/303Only two carboxylic acid or ester
groups, e.g., distearyl thiodipropionate, etc.
- 524/304With a nonreactive material

2 524/381 (1 OR, 1 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product

,

ition

composition thereof; or process of treating or compos

thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,

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hydrocarbon, or elemental carbon

524/81Organic DNRM

524/379Carbon atom single bonded to an oxygen atom and wherein the carbon atom is not double bonded to

a

chalcogen atom DNRM, e.g., alcohols, etc.

524/381Non C-OH oxygen atom, or element other than C, O, or H, e.g., tartaric acid metal salt, etc.

2 524/398 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or preformed specified intermediate condensation product

composition thereof; or process of treating or compos

ition

thereof

524/80 ...DNRM which is other than silicon dioxide, glass, titanium dioxide, water, halohydrocarbon, hydrocarbon, or elemental carbon

524/81Organic DNRM

524/394Oxygen atom or metal atom DNRM, e.g., metal stearate, etc.

524/398Transition metal atom (atomic no. 21-29, 39-47, 57-79)

2 524/399 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or preformed specified intermediate condensation product

composition thereof; or process of treating or compos

ition

thereof

524/80 ...DNRM which is other than silicon dioxide, glass, titanium dioxide, water, halohydrocarbon, hydrocarbon, or elemental carbon

524/81Organic DNRM

524/394Oxygen atom or metal atom DNRM, e.g., metal stearate, etc.

524/399Heavy metal or aluminum (atomic no. 13, 30-33, 48-51, 80-83)

2 524/430 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or preformed specified intermediate condensation product, composition thereof; or process of treating or composi

tion

thereof

524/80 ...DNRM which is other than silicon dioxide, glass, titanium dioxide, water, halohydrocarbon, hydrocarbon, or elemental carbon

524/401Inorganic compound devoid of a silicon atom DNRM

524/430A single type of metal atom and only

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oxygen atoms DNRM, e.g., metal oxide, etc.

2	524/437	(1 OR, 1 XR)	
	Class	524 :	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES
tion	524/1		..Adding a NRM to a preformed solid polymer or preformed specified intermediate condensation product, composition thereof; or process of treating or composi thereof
	524/80		...DNRM which is other than silicon dioxide, glass, titanium dioxide, water, halohydrocarbon, hydrocarbon, or elemental carbon
	524/401	Inorganic compound devoid of a silicon atom DNRM
	524/437	Aluminum DNRM
2	524/442	(0 OR, 2 XR)	
	Class	524 :	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES
ion	524/1		..Adding a NRM to a preformed solid polymer or preformed specified intermediate condensation product, composition thereof; or process of treating or composi thereof
	524/80		...DNRM which is other than silicon dioxide, glass, titanium dioxide, water, halohydrocarbon, hydrocarbon, or elemental carbon
	524/442	Soil or inorganic silicon DNRM (other than silicon dioxide, glass, quartz, novaculite, or silicon dioxide type)
2	524/449	(0 OR, 2 XR)	
	Class	524 :	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES
ition	524/1		..Adding a NRM to a preformed solid polymer or preformed specified intermediate condensation product composition thereof; or process of treating or compos thereof
	524/80		...DNRM which is other than silicon dioxide, glass, titanium dioxide, water, halohydrocarbon, hydrocarbon, or elemental carbon
	524/442	Soil or inorganic silicon DNRM (other than silicon dioxide, glass, quartz, novaculite, or silicon dioxide type)
	524/444	Aluminum atom DNRM
	524/449	Mica
2	524/515	(0 OR, 2 XR)	
	Class	524 :	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES
tion	524/1		..Adding a NRM to a preformed solid polymer or preformed specified intermediate condensation product, composition thereof; or process of treating or composi thereof
	524/500		...Containing two or more solid polymers; solid

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polymer or SICP and a SICP, SPFI, or an ethylenic react

ant

or product thereof

524/502At least one solid polymer derived from
ethylenic reactants only

524/515Two or more solid polymers derived from
ethylenic reactants only

2 524/528 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product

composition thereof; or process of treating or compos

ition

thereof

524/500 ...Containing two or more solid polymers; solid
polymer or SICP and a SICP, SPFI, or an ethylenic reac

tant

or product thereof

524/502At least one solid polymer derived from
ethylenic reactants only

524/515Two or more solid polymers derived from
ethylenic reactants only

524/528Solid polymer derived from acyclic
hydrocarbon

2 524/548 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composit

ion

thereof

524/543 ...Polymer derived from ethylenic reactants
only

524/548From heterocyclic monomer

2 524/555 (1 OR, 1 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composit

ion

thereof

524/543 ...Polymer derived from ethylenic reactants
only

524/555From nitrogen-containing monomer other than
acrylonitrile or methacrylonitrile

2 524/560 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composit

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tion

thereof
 524/543 ...Polymer derived from ethylenic reactants
 only
 524/556From carboxylic acid or ester thereof
 monomer
 524/560From ester derived from at least one
 unsaturated carboxylic acid and a saturated alcohol, e.g.
 methyl methacrylate, etc.

2 524/570 (0 OR, 2 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product,
 composition thereof; or process of treating or composi

ion

thereof
 524/543 ...Polymer derived from ethylenic reactants
 only
 524/570From hydrocarbon monomer

2 524/575.5 (0 OR, 2 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product
 composition thereof; or process of treating or compos

ition

thereof
 524/543 ...Polymer derived from ethylenic reactants
 only
 524/570From hydrocarbon monomer
 524/571Conjugated diene hydrocarbon monomer
 524/575.5Natural rubber

2 524/579 (0 OR, 2 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product,
 composition thereof; or process of treating or composi

tion

thereof
 524/543 ...Polymer derived from ethylenic reactants
 only
 524/570From hydrocarbon monomer
 524/579From hydrocarbon containing four or more
 carbon atoms

2 524/601 (0 OR, 2 XR)
 Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 524/1 ..Adding a NRM to a preformed solid polymer or
 preformed specified intermediate condensation product,
 composition thereof; or process of treating or composi

ion

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thereof

524/599 ...From carboxylic acid or derivative reactant

524/601From dicarboxylic acid or derivative and at
least one polyol; or from a diester of a polycarboxylic
acid as sole reactant

2 524/80 (1 OR, 1 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composi

on

thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon

2 524/82 (1 OR, 1 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product,
composition thereof; or process of treating or composi

tion

thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon

524/81Organic DNRM

524/82Sulfur atom as part of a hetero ring DNRM

2 524/83 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product

composition thereof; or process of treating or compos

ition

thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon

524/81Organic DNRM

524/82Sulfur atom as part of a hetero ring DNRM

524/83Hetero ring contains sulfur and at least
one diverse hetero atom

2 524/862 (1 OR, 1 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/858 ..Si-containing reactant forming a solid
polymer or SICP in the presence of a nonreactant mater

ial

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524/860 ...Poly (di organo siloxane) reactant, i.e.,
(R-Si(R)-O)-* where R is an organic radical and * is
subscript two or more

524/861Si-H containing reactant

524/862With ethylenically unsaturated reactant

2 524/863 (0 OR, 2 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/858 ..Si-containing reactant forming a solid
polymer or SICP in the presence of a nonreactant materi
al

524/860 ...Poly (di organo siloxane) reactant, i.e.,
(R-Si(R)-O)-* where R is an organic radical and * is
subscript two or more

524/863Poly (di organo siloxane) reactant has at
least one SiO other than as Si-O Si, e.g., Si-O-C, or SiO
H
group, etc.

2 524/99 (0 OR, 2 XR)
Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condensation product
composition thereof; or process of treating or compos
ition
thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydrocarbon,
hydrocarbon, or elemental carbon

524/81Organic DNRM

524/86Nitrogen atom as part of a hetero ring
DNRM

524/99Six-membered nitrogen ring, e.g.,
pyridine, etc.

2 525/187 (2 OR, 0 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
SICP
A
OF THE
WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only

525/185 ...With additional solid polymer derived from
at least one nonethylenic reactant

525/186At least one reactant which forms
additional polymer contains a heterocyclic ring

525/187Heterocyclic ring is an 1,2-epoxy ring

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2 525/189 (0 OR, 2 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
 SICP
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
 A
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O
 F THE
 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/185 ...With additional solid polymer derived from
 at least one nonethylenic reactant
 525/189At least one reactant which forms
 additional polymer contains a sulfur atom

2 525/192 (0 OR, 2 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
 SICP
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
 A
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O
 F THE
 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/191 ...Polymer mixture of two or more solid
 polymers derived from ethylenically unsaturated reactant
 s
 only; or mixtures of said polymer mixture with a chemica
 l
 treating agent; or products or processes of preparing an
 y
 of the above mixtures
 525/192Treating polymer or polymer mixture with a
 chemical treating agent other than solid polymer

2 525/194 (0 OR, 2 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
 SICP
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
 A
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
 OF THE
 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/191 ...Polymer mixture of two or more solid

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 polymers derived from ethylenically unsaturated reactants only; or mixtures of said polymer mixture with a chemical treating agent; or products or processes of preparing any of the above mixtures

525/192Treating polymer or polymer mixture with a chemical treating agent other than solid polymer

525/194Agent is an organic material

2 525/215 (0 OR, 2 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY OF THE ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from ethylenic reactants only

525/191 ...Polymer mixture of two or more solid polymers derived from ethylenically unsaturated reactants only; or mixtures of said polymer mixture with a chemical treating agent; or products or processes of preparing any of the above mixtures

525/213Solid polymer derived from chlorine-containing reactant other than vinyl(idene) chloride

525/214Halogenated hydrocarbon other than vinyl(idene) chloride

525/215Halogenated hydrocarbon contains at least two ethylenic groups and is devoid of an aryl ring

2 525/233 (0 OR, 2 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY OF THE ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from ethylenic reactants only

525/191 ...Polymer mixture of two or more solid polymers derived from ethylenically unsaturated reactants

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2 525/234 (0 OR, 2 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
F SICP OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING O
H A WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WIT
F CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES O
OF THE FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
ABOVE OPERATIONS
525/55 ..At least one solid polymer derived from
ethyleneic reactants only
525/191 ...Polymer mixture of two or more solid
nts polymers derived from ethylenically unsaturated reacta
cal only; or mixtures of said polymer mixture with a chemi
any treating agent; or products or processes of preparing
of the above mixtures
525/232Solid polymer derived from reactant
of containing at least two ethylenic groups and is devoid o
aryl ring
525/233Polymer derived from nitrogen-containing
reactant
525/234At least two polymers derived from
nitrogen-containing reactants
2 525/235 (0 OR, 2 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
SICP OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
A WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
OF THE CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
ABOVE OPERATIONS
525/55 ..At least one solid polymer derived from
ethyleneic reactants only
525/191 ...Polymer mixture of two or more solid

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polymers derived from ethylenically unsaturated reactants only; or mixtures of said polymer mixture with a chemical treating agent; or products or processes of preparing any of the above mixtures

525/232Solid polymer derived from reactant containing at least two ethylenic groups and is devoid of aryl ring

525/235Polymer derived from halogen-containing reactant

2 525/238 (0 OR, 2 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY OF ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from ethylenic reactants only

525/191 ...Polymer mixture of two or more solid polymers derived from ethylenically unsaturated reactants only; or mixtures of said polymer mixture with a chemical treating agent; or products or processes of preparing any of the above mixtures

525/238Solid polymer derived from (meth)acrylonitrile

2 525/25 (0 OR, 2 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/10 .ETHYLENICALLY UNSATURATED REACTANT ADMIXED WITH EITHER (A) A POLYMER DERIVED FROM A SATURATED DI-HIGHER ESTER OF A POLYCARBOXYLIC ACID AS SOLE REACTANT, (B) REACTION PRODUCT OF ONLY POLYCARBOXYLIC ACIDS OR ANHYDRIDES WITH ONLY COMPOUNDS HAVING AT LEAST TWO HYDROXYL GROUPS AT LEAST ONE OF WHICH IS SATURATED AND WHEREIN THE REACTION PRODUCT FORMED IS NOT AFTERTREATED PRIOR TO ADMIXTURE WITH THE UNSATURATED REACTANT EXCEPT WITH A POLYCARBOXYLIC ACID, POLYCARBOXYLIC ACID ANHYDRIDE, OR ..Mixed in presence of specified material or a polymerizable composition contains a specified material

525/11 ...Specified material contains nitrogen atom

525/25

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2 525/314 (1 OR, 1 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
 SICP
 A
 OF THE
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/242 ...Polymer derived from ethylenic reactants
 only mixed with ethylenic reactant
 525/313Ethylenic reactant contains at least two
 unsaturated groups and is devoid of an aromatic group
 525/314Block copolymer derived from reactant
 containing at least two unsaturated groups and is free of
 an aromatic group

2 525/330.4 (1 OR, 1 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
 SICP
 A
 OF THE
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/326.1 ...Chemically after treated solid polymers
 derived from ethylenically unsaturated monomers only
 525/330.3Polymer derived from acrylic or methacrylic
 esters, or vinyl acetate monomer
 525/330.4Sulfur or phosphorus containing chemical
 treating agent

2 525/330.9 (0 OR, 2 XR)
 Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING O
 F SICP
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 OF THE
 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WIT
 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES O
 FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
 ABOVE OPERATIONS
 525/55 ..At least one solid polymer derived from
 ethylenic reactants only
 525/326.1 ...Chemically after treated solid polymers

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derived from ethylenically unsaturated monomers only

- 525/330.7Polymer derived from halogen monomer
- 525/330.8At least one monomer contains two or more ethylenic groups
- 525/330.9Vulcanized or crosslinked, in the presence of a chemical treating agent, e.g., cured, etc.

2 525/332.7 (1 OR, 1 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

- 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES FORMING OR REACTING; OR THE RESULTANT PRODUCT OF AN

OF SICP

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Y OF THE

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from ethylenic reactants only
- 525/326.1 ...Chemically after treated solid polymers derived from ethylenically unsaturated monomers only
- 525/331.9Polymer derived from monomer containing at least two ethylenic groups or diene rubber
- 525/332.5Vulcanized in the presence of a chemical treating agent, e.g., cured, crosslinked, etc.
- 525/332.6Sulfur containing chemical treating agent
- 525/332.7Nitrogen containing chemical treating agent

2 525/333.3 (0 OR, 2 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

- 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

SICP

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ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from ethylenic reactants only
- 525/326.1 ...Chemically after treated solid polymers derived from ethylenically unsaturated monomers only
- 525/333.3Polymer derived from aromatic hydrocarbon monomer, e.g., styrene, etc.

2 525/333.9 (0 OR, 2 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

- 525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

SICP

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OF THE
CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only
525/326.1 ...Chemically after treated solid polymers
derived from ethylenically unsaturated monomers only
525/333.7Polymer derived from acyclic hydrocarbon
monomer only
525/333.9Sulfur containing chemical treating agent

2 525/345 (1 OR, 1 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only
525/343 ...Chemical treating agent contains a sulfur
atom
525/345With peroxide, ozone, or free oxygen

2 525/348 (1 OR, 1 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from
ethylenic reactants only
525/343 ...Chemical treating agent contains a sulfur
atom
525/348Sulfur-containing heterocyclic compound

2 525/350 (0 OR, 2 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF

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FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from ethylenic reactants only
- 525/343 ...Chemical treating agent contains a sulfur atom
- 525/350Mercaptan or mercaptide

2 525/354 (0 OR, 2 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from ethylenic reactants only
- 525/343 ...Chemical treating agent contains a sulfur atom
- 525/354Elemental sulfur or inorganic sulfur compound

2 525/375 (1 OR, 1 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

- 525/55 ..At least one solid polymer derived from ethylenic reactants only
- 525/374 ...Chemical treating agent is a nitrogen-containing compound
- 525/375Contains nitrogen atom in a heterocyclic ring

2 525/377 (0 OR, 2 XR)

Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF

SICP

WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH

A

CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY O

F THE

ABOVE OPERATIONS

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525/55 ..At least one solid polymer derived from ethylenic reactants only

525/374 ...Chemical treating agent is a nitrogen-containing compound

525/377Nitrogen-containing compound contains at least one nitrile or isonitrile group; or a nitrogen-to-oxygen bond which is other than as an amine or ammonium salt

r

2 525/98 (0 OR, 2 XR)
Class 525 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

525/50 .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF SICP WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH A CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY OF THE ABOVE OPERATIONS

525/55 ..At least one solid polymer derived from ethylenic reactants only

525/88 ...Mixing of solid block or block-type copolymer with other solid polymer; mixing of said polymer mixture with a chemical treating agent; mixing of a block or block-type copolymer with SICP or with SPFI; or processes of forming or reacting; or the resultant product of any of the above operations

mer

525/95Mixture contains solid block or block-type copolymer derived from ethylenically unsaturated hydrocarbon reactants only at least one of which contains at least four carbon atoms

s

525/98Solid block or block-type copolymer derived from reactant containing plural unsaturation

2 526/223 (0 OR, 2 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR PROCESSES OF PREPARING

526/89 ..Polymerizing in the presence of a specified material other than monomer

526/222 ...Material contains organic sulfur compound

526/223Organic sulfur compound contains -S-S- or -O-O-group

2 526/237 (0 OR, 2 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS

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CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
- 526/89 ..Polymerizing in the presence of a specified
material other than monomer
- 526/237 ...Material contains metal halide, boron halide
or organic complexes thereof, hydrogen halide, elemental
halogen, or compound containing only halogen atoms
- 2 526/283 (2 OR, 0 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
- 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
- 526/280 ..From fused or bridged ring containing monomer
- 526/281 ...Bridged monomer
- 526/283Compound containing dicyclopentadiene
moiety
- 2 526/290 (0 OR, 2 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
- 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
- 526/290 ..Monomer from unsaturated petroleum
hydrocarbon fraction; from unsaturated coal or bituminous
material, extract, or derivative thereof; or from
unsaturated fatty still residue
- 2 526/304 (0 OR, 2 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
- 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
- 526/303.1 ..From carboxylic acid amide-containing monomer
- 526/304 ...Contains oxygen atom other than in amide
form bonded to a carbon atom
- 2 526/308 (0 OR, 2 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
- 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
- 526/308 ..From cycloaliphatic monomer
- 2 526/329.1 (0 OR, 2 XR)
Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES
- 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITION

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- CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
PROCESSES OF PREPARING
- 526/319 ..From carboxylic acid ester monomer
 526/328 ...Derived from an ethylenically unsaturated
 carboxylic acid
 526/328.5With additional monomer
 526/329Interpolymerized with hydrocarbon monomer

 526/329.1Hydrocarbon monomer containing at least
 two ethylenic groups, e.g., butadiene, etc.
- 2 526/336 (0 OR, 2 XR)
 Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
 PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
 CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
 PROCESSES OF PREPARING
 526/335 ..From hydrocarbon monomer containing at least
 two ethylenic groups, e.g., butadiene, etc.
 526/336 ...Ethylenic groups are non-conjugated, e.g.,
 divinylbenzene, etc.
- 2 526/338 (1 OR, 1 XR)
 Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
 PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
 CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
 PROCESSES OF PREPARING
 526/335 ..From hydrocarbon monomer containing at least
 two ethylenic groups, e.g., butadiene, etc.
 526/338 ...Interpolymerized with non-hydrocarbon
 monomer
- 2 526/346 (0 OR, 2 XR)
 Class 526 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 526/72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR
 PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS
 CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR
 PROCESSES OF PREPARING
 526/346 ..From aromatic hydrocarbon
- 2 528/376 (1 OR, 1 XR)
 Class 528 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 528/373 .FROM SULFUR-CONTAINING REACTANT
 528/374 ..From mercaptan or mercaptide-containing
 reactant
 528/376 ...With ethylenically unsaturated reactant